

Abstract of the Invention

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A directed graph includes a plurality of containers, where each container has a type value and is instantiated based on one of a plurality of container types. Each action as instantiated includes an action method table comprising a plurality of action methods. Each action when traversing the directed graph employs the type value of an encountered container as an offset into the action method table thereof to select the action method to be executed on the encountered container. During run-time and prior to traversing the directed graph, an action is instantiated if not already instantiated, and the method table of the action is expanded and filled in based on any new container types in the system.

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